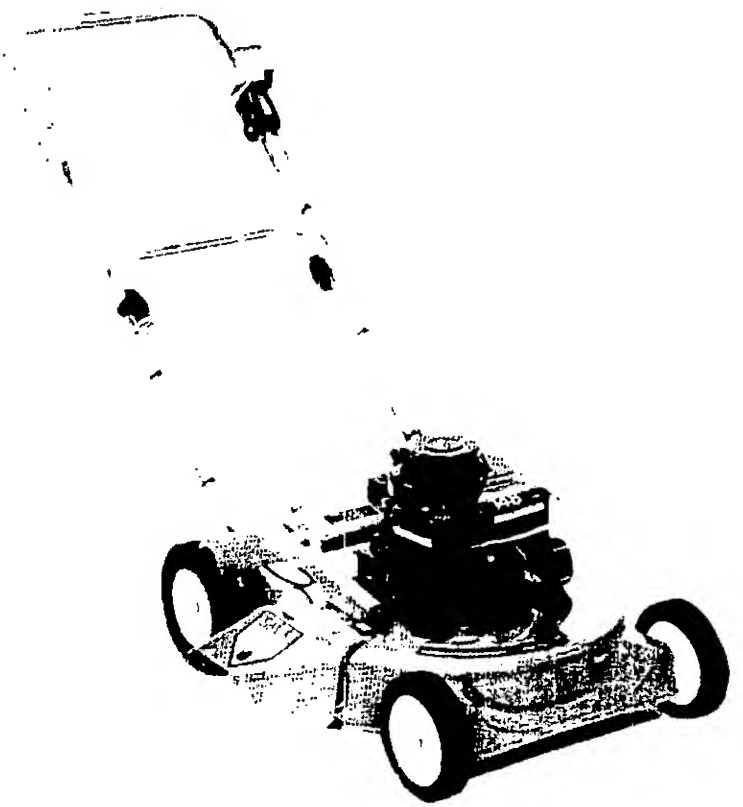
Manual No. 61-941

Western Auto

OPERATION AND SERVICE INSTRUCTIONS
Wizard Rotary Mower

STOCK NUMBER	MODEL NUMBER	FACTORY NUMBER
93-3834-4	MTD3834A78	127-280-098



Thank you for purchasing an American-built product.

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WIZARD MOWER WARRANTY

1 YEAR LIMITED WARRANTY*

This Wizard Mower will be repaired without charge by Western Auto Supply Company if it fails due to defective materials or workmanship within one year of purchase date.

For repair service return mower with proof of purchase date to any participating Western Auto Store. Excluded from this warranty is misuse, abuse, commercial or rental use. Repairs or alterations by anyone other than a Western Auto Authorized Service Facility is also excluded.

This warranty does not cover minor mechanical adjustments which are not due to defects in material or workmanship. For assistance in making such adjustments, consult your owner's manual.

Also excluded from Western Auto's warranty is the engine used on Wizard Mowers which is warranted by the engine manufacturer. Repair service arrangements for the engine may be handled through any participating Western Auto Store.

If difficulty is encountered in having this warranty honored, contact: Western Auto Supply Company, Consumer Affairs Section, General Service Department, 2107 Grand Avenue, Kansas City, Missouri 64108. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

WESTERN AUTO SUPPLY COMPANY

***Model Numbers:** **MTD3620A78, MTD3809A78, MTD3834A78, MTD3932A78, MTD 3939A78 and MTD4146A78**

NOTE

The use of any accessory on this rotary mower other than those manufactured by the mower manufacturer is **not** recommended.

GRASS CATCHER Stock No. 95-1102-3 is available from your local Western Auto Store.

WARNING

1. The mower should not be operated without the entire grass catcher or chute deflector in place.
2. The mower should not be operated without the protective shield on the rear of the deck in place.

NOTE

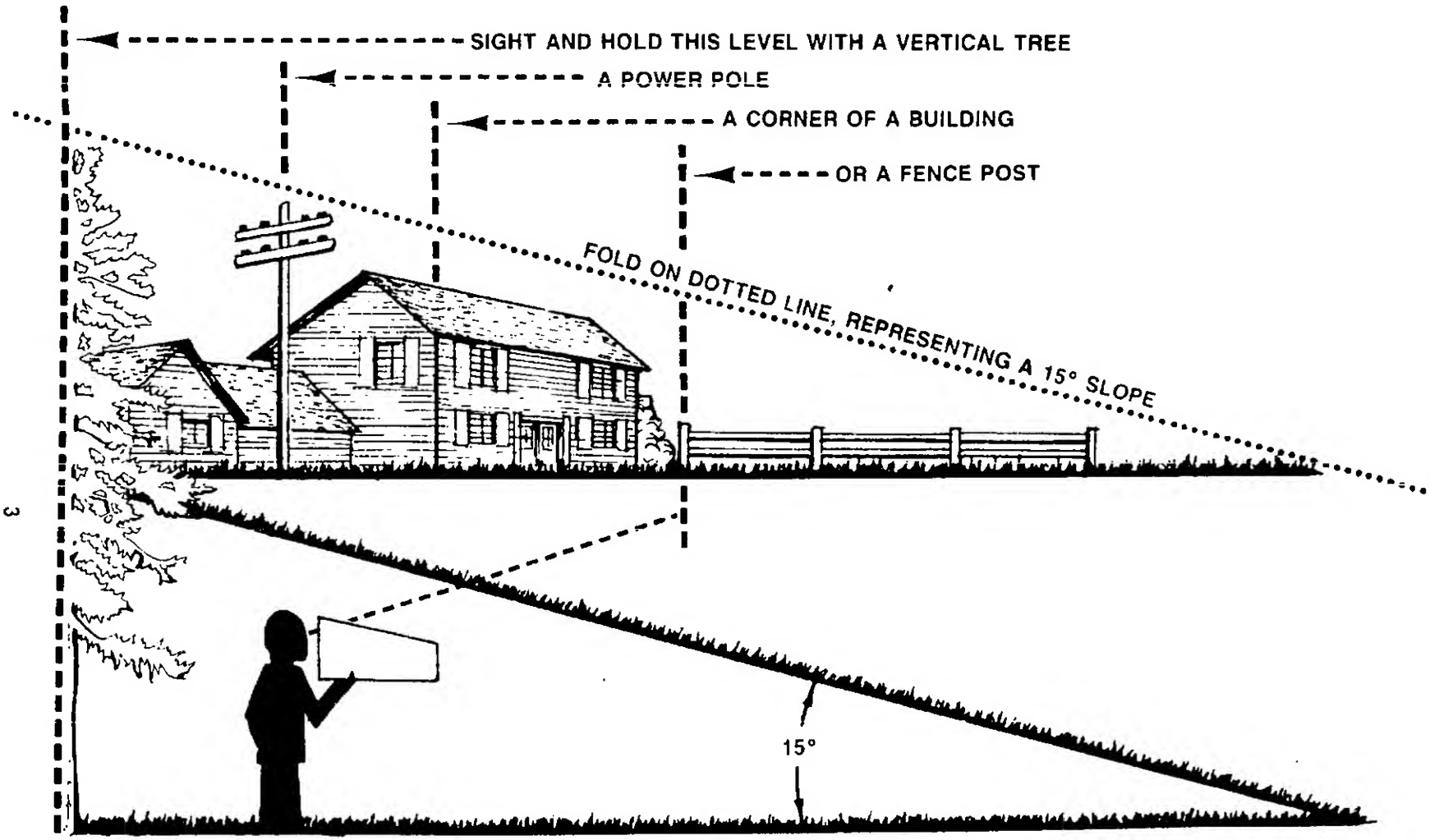
Under normal usage bag material is subject to wear, and should be checked periodically. Be sure any replacement bag complies with the mower manufacturer's recommendations.

WARNING: This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator.

In the State of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester muffler is available through participating Western Auto Stores.

Cut Along This Line

USE THIS SHEET AS A GUIDE TO DETERMINE SLOPES WHERE YOU MAY NOT OPERATE SAFELY.



SLOPE GAUGE

(Keep this sheet in a safe place for future reference.)

WARNING

Do not mow on inclines with a slope in excess of 15 degrees (a rise of approximately 2½ feet every 10 feet). A riding mower could overturn and cause serious injury. If operating a walk-behind mower on such a slope, it is extremely difficult to maintain your footing and you could slip, resulting in serious injury.

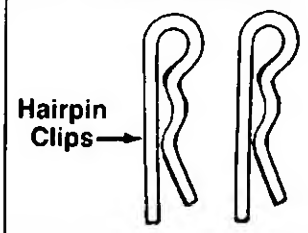
Operate RIDING mowers up and down slopes, never across the face of slopes.
Operate WALK-BEHIND mowers across the face of slopes, never up and down slopes.

CONTENTS OF HARDWARE PACK/PARTS IDENTIFICATION

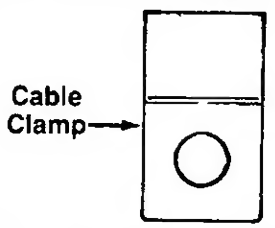
Remove this sheet from your owner's manual and lay the hardware on the illustration for identification purposes. After assembly, keep the Slope Gauge which is on the reverse side of this sheet for future use.

(Hardware pack may contain extra items which are not used on your unit.)

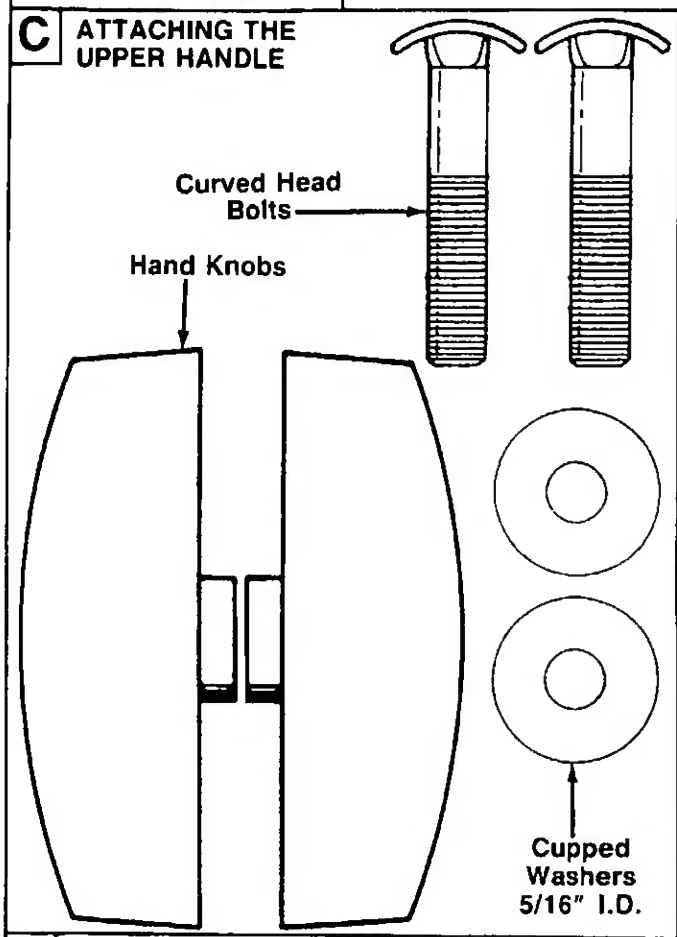
A ATTACHING THE LOWER HANDLE

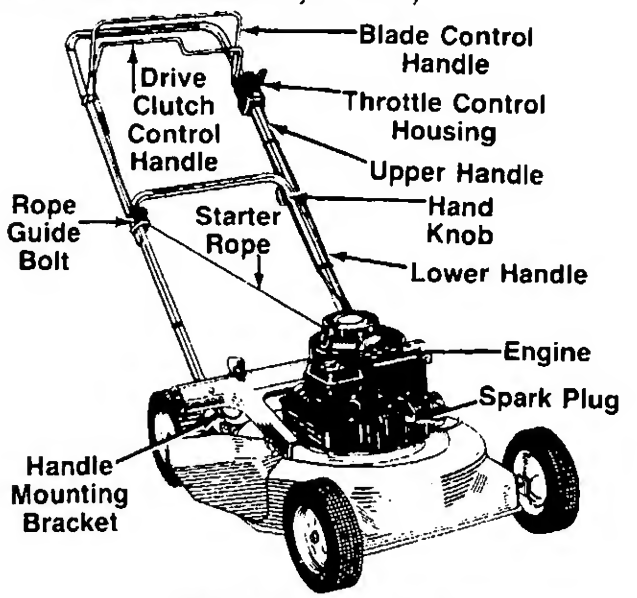


B ATTACHING THE THROTTLE CABLE



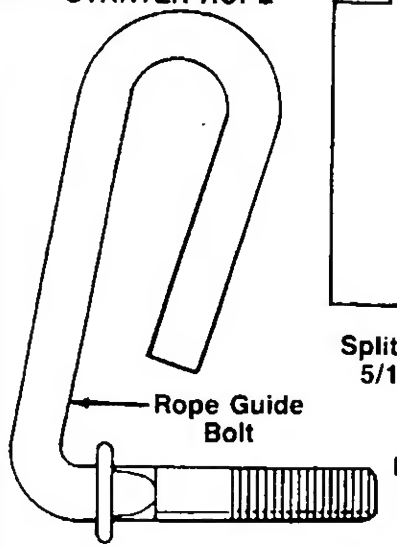
C ATTACHING THE UPPER HANDLE



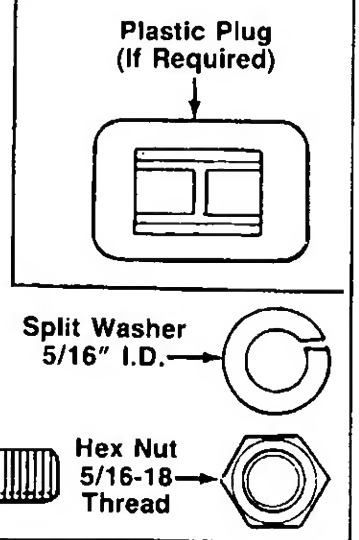


PARTS IDENTIFICATION

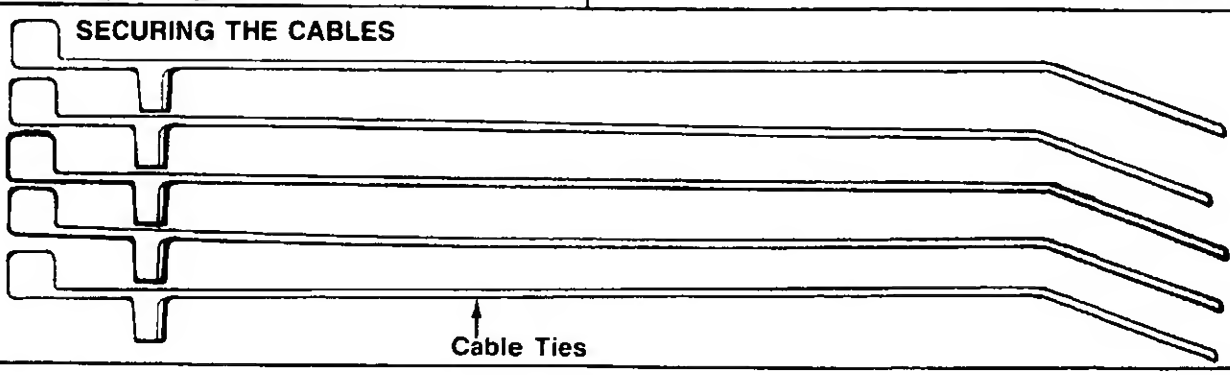
E ATTACHING THE STARTER ROPE



F FINAL ASSEMBLY



D SECURING THE CABLES



Cut Along This Line

IMPORTANT

RULES FOR SAFE OPERATION

THIS SYMBOL POINTS OUT IMPORTANT SAFETY INSTRUCTIONS WHICH, IF NOT FOLLOWED, COULD ENDANGER THE PERSONAL SAFETY AND/OR PROPERTY OF YOURSELF AND OTHERS. READ AND FOLLOW ALL INSTRUCTIONS IN THIS MANUAL BEFORE ATTEMPTING TO OPERATE YOUR LAWN MOWER. FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY. WHEN YOU SEE THIS SYMBOL— **HEED ITS WARNING.**

DANGER

Your lawn mower was built to be operated according to the rules for safe operation in this manual. As with any type of power equipment, carelessness or error on the part of the operator can result in serious injury. If you violate any of these rules, you may cause serious injury to yourself or others.

TRAINING

1. Read this owner's manual carefully in its entirety before attempting to assemble or operate this machine. Be completely familiar with the controls and the proper use of this machine before operating it. Keep this manual in a safe place for future and regular reference and for ordering replacement parts.
2. Your rotary mower is a precision piece of power equipment, not a plaything. Therefore, exercise extreme caution at all times.
3. Never allow children to operate a power mower. Only persons well acquainted with these rules of safe operation should be allowed to use your mower.
4. Keep the area of operation clear of all persons, particularly small children and pets. Stop engine when they are in the vicinity of your mower to help prevent blade contact or thrown object injury. Although the area of operation should be completely cleared of foreign objects, an object may have been overlooked and could be accidently thrown by the mower in any direction and cause serious personal injury to the operator or any others allowed in the area.

PREPARATION

1. Thoroughly inspect the area where the equipment is to be used. Remove all stones, sticks, wire, bones and other foreign objects which could be picked up and thrown by the mower in any direction and cause serious personal injury to the operator or any others allowed in the area.
2. Always wear safety glasses or eye shields during operation or while performing an adjustment or repair, to protect eyes from foreign objects that may be thrown from the machine in any direction.
3. Wear sturdy, rough-soled work shoes and close-fitting slacks and shirts to avoid entanglement in the moving parts. Never operate a unit in bare feet, sandals, or sneakers.
4. Check the fuel before starting the engine. Gasoline is an extremely flammable fuel. Do not fill the gasoline tank indoors, while the engine is running, or until engine has been allowed to cool for two minutes after running. Replace gasoline cap securely and wipe off any spilled gasoline before starting the engine as it may cause a fire or explosion.
5. Disengage the self-propelled mechanism or drive clutch on units so equipped before starting the engine.
6. The blade control handle is a safety device. Never attempt to bypass its operation. Doing so makes the safety device inoperative and may result in personal injury through contact with the rotating blade. The blade control handle must operate easily in both directions.
7. Never attempt to make a wheel or cutting height adjustment while the engine is running.
8. Never operate the equipment in wet grass. Always be sure of your footing. A slip and fall can cause serious personal injury. Keep a firm hold on the handle and walk, never run. Mow only in daylight or in good artificial light.
9. For your safety, use the slope gauge included as part of this manual to measure slopes before operating this unit on a sloped or hilly area. If the slope is greater than 15° as shown on the slope gauge, do not operate this unit on that area or serious injury could result.

OPERATION

1. Do not change the engine governor settings or overspeed the engine. Excessive engine speeds are dangerous.
2. Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times as the rotating blade can cause injury.
3. Stop the blade when crossing gravel drives, walks or roads.
4. After striking a foreign object, stop the engine, remove the wire from the spark plug, and thoroughly inspect the mower for any damage. Repair the damage before restarting and operating the mower.
5. If the equipment should start to vibrate abnormally, stop the engine and check immediately for the cause. Vibration is generally a warning of trouble.
6. Shut the engine off and wait until the blade comes to a complete stop before removing the grass catcher or unclogging the chute. The cutting blade continues to rotate for a few seconds after the engine is shut off. Never place any part of the body in the blade area until you are sure the blade has stopped rotating.
7. Before cleaning, repairing or inspecting, make certain the blade and all moving parts have stopped. Disconnect the spark plug wire, and keep the wire away from the spark plug to prevent accidental starting.
8. Do not run the engine indoors.
9. Mow across the face of slopes, never up-and-down. Exercise extreme caution when changing direction on slopes. Do not mow excessively steep slopes. Always be sure of your footing. A slip and fall can cause serious personal injury.
10. Never operate mower without proper guards, plates or other safety protective devices in place.

MAINTENANCE AND STORAGE

1. Check the blade and engine mounting bolts at frequent intervals for proper tightness.
2. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
3. Never store the equipment with gasoline in the tank inside of a building where fumes may reach an open flame or sparks. Allow the engine to cool before storing in any enclosure.
4. To reduce fire hazard, keep the engine free of grass, leaves or excessive grease.
5. Check the grass catcher bag frequently for wear or deterioration. For safety protection, replace only with new bag meeting original equipment specifications.

IMPORTANT: This unit is shipped WITHOUT GASOLINE or OIL. After assembly, service engine with gasoline and oil as instructed in the separate engine section of this manual.

NOTE: Reference to right or left hand side of the mower is observed from the operating position. Refer to parts identification illustration on page 4 for location of parts when assembling the mower.

ASSEMBLY INSTRUCTIONS

Tools Required for Assembly

(1) 1/2" Wrench*
(1) 5/16" Wrench or Nutdriver*
(1) 7/16" Wrench*
(1) Soft Hammer (Optional)
*Or one 6" Adjustable Wrench.

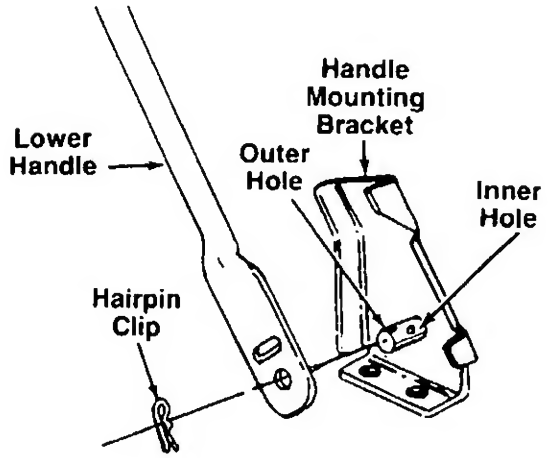


FIGURE 1.

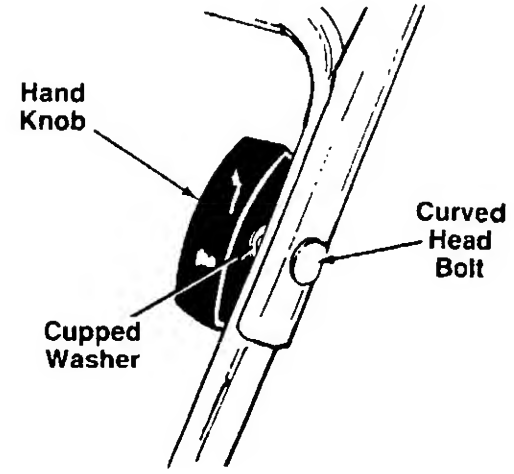


FIGURE 2.

UNPACKING

1. Remove the lawn mower from the carton by opening the top flaps and lifting the unit out. Be careful of the staples. Make certain all parts and literature have been removed from the carton before the carton is discarded.
2. Disconnect and ground the spark plug wire against the engine. Check beneath the deck for any cardboard packaging. Remove if present.
3. Stretch out all control cables and place on the floor. Be careful not to bend or kink the cables at any time during assembly.
4. Remove page four from this manual and lay the contents of the hardware pack on the illustration for identification.

ATTACHING THE LOWER HANDLE (Hardware A)

Place lower handle in position over weld pins in handle mounting brackets on the rear of the deck. Make certain the instruction label on the lower handle can be read from the operating position. Secure by placing two hairpin clips in **inner** hole on weld pins. See figure 1.

NOTE

It may be necessary to bend the ends of the lower handle outward slightly to obtain a snug fit against the bracket.

ATTACHING THE UPPER HANDLE (Hardware C)

Place upper handle in position over lower handle. The label on the throttle control housing and the control lever must be facing up. Secure upper handle using the curved head bolts, cupped washers (cupped side against the handle) and hand knobs as shown in figure 2. Hand knobs must be to the inside of the handles.

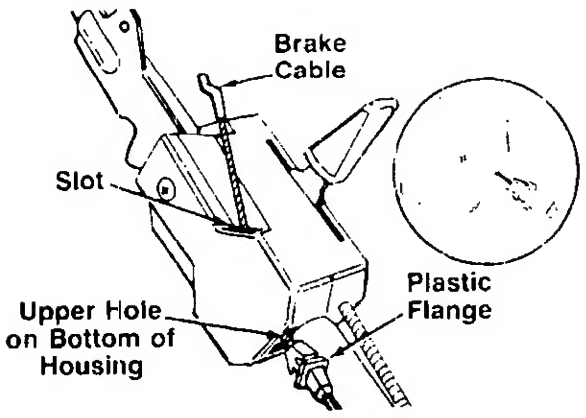


FIGURE 3.

ATTACHING THE BRAKE CABLE

1. The brake cable is attached to the engine, and has a "Z" fitting on the loose end. Route the brake cable below the lower handle. Place end of cable into the upper hole on the bottom of the control housing, and through the slot as shown. The angle of the plastic flange must be positioned downward as shown in figure 3. Be careful not to bend or kink the cable at any time.
2. Push the plastic fitting until it locks into the control housing.

WARNING

Brake cable must be assembled as shown for proper blade brake operation.

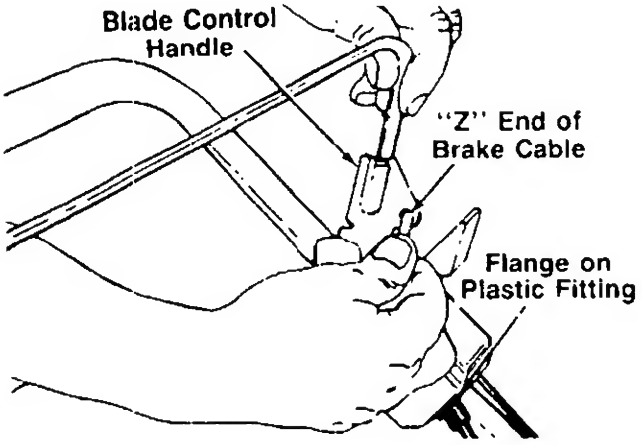


FIGURE 4

3. Hook the "Z" end of the brake cable into the hole in the blade control handle from the inside to the outside as shown in figure 4.

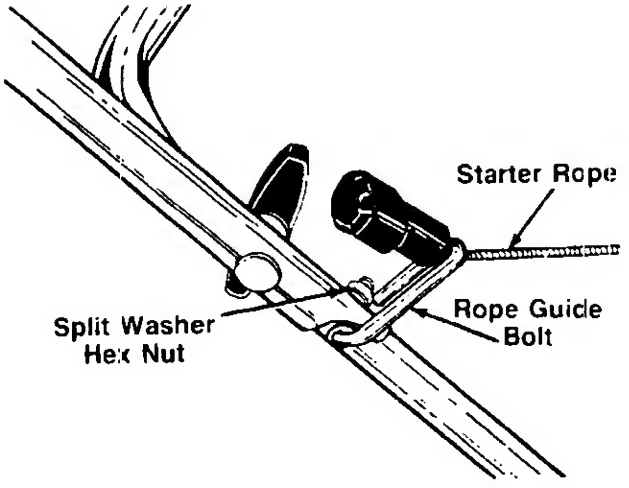


FIGURE 5.

ATTACHING THE STARTER ROPE (Hardware E)

1. Insert the rope guide bolt through the hole provided in the right side of the handle. Secure with split washer and hex nut, finger tight only. See figure 5.
2. The starter rope is inside the top of the engine. Additional rope may be wound around the starter handle if so, unwind the rope from the handle.
3. With the spark plug wire disconnected and grounded, depress the blade control handle and pull the rope out of the engine. Slip the starter rope into the rope guide bolt as shown in figure 5.
4. Tighten the hex nut on the rope guide bolt securely.

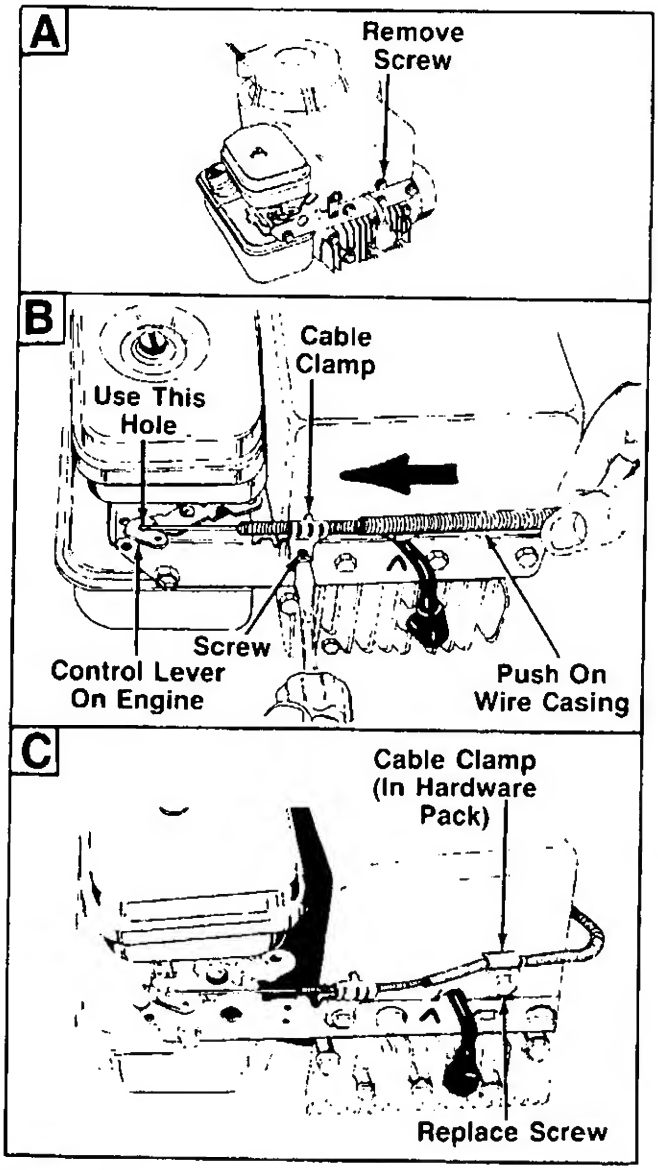


FIGURE 6.

ATTACHING THE THROTTLE CABLE (Hardware B)

1. Using a 7/16" wrench, remove the screw on the engine shown in figure 6A.
2. Place the throttle control lever on the handle in FAST position.
3. The throttle control cable is attached to the upper handle. Route the throttle control cable under the lower handle and inside the handle mounting bracket. Hook the "Z" end of the throttle control cable into the arm on the control lever on the engine which has two holes, using the **outside** hole as shown in figure 6B.
4. Using a 5/16" wrench or nutdriver, remove the screw on the cable clamp shown in figure 6B. Slip the control casing under the clamp. Replace the screw, but do not tighten screw (cable must still move freely beneath the clamp).
5. Place the control lever on the engine in the full open position by pushing it toward outside of the unit. Push the wire casing on the throttle control cable toward the control lever on the engine as shown in figure 6B as you tighten the screw on the cable clamp.
6. Loosen the screw on the clamp on the side of the engine. Slip the cable casing under the clamp to secure the cable **away from the muffler.** Be careful not to bend or kink the cable. Tighten the screw.
7. Secure cable casing to the front of engine with cable clamp provided in hardware pack and screw removed from engine in step 1. See figure 6C. Do not overtighten.

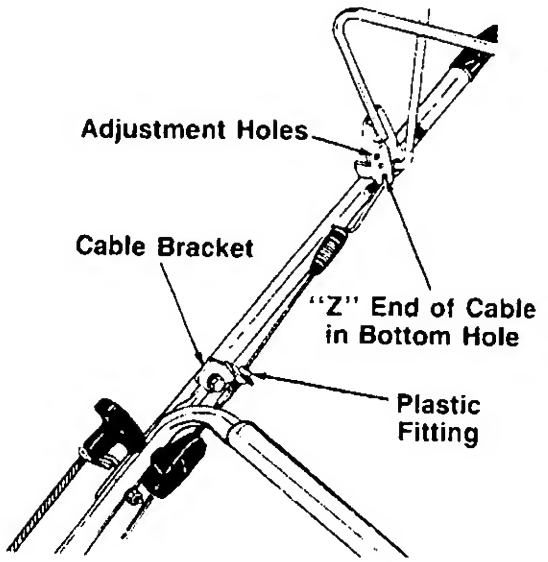


FIGURE 7.

ATTACHING THE DRIVE CLUTCH CONTROL CABLE

1. The drive clutch cable is attached to the drive cover, and has a spring on one end. Route the clutch cable inside the handle mounting bracket and under the lower handle. Hook the spring on the end of the cable into the bottom hole on the drive clutch control handle. See figure 7.
2. Pull down on the plastic cable casing, and slip the control wire through the slot in the cable bracket. Push the plastic fitting on the end of the cable casing into the cable bracket.

WARNING

Drive clutch adjustment must be checked before the unit is operated, as described on page 9.

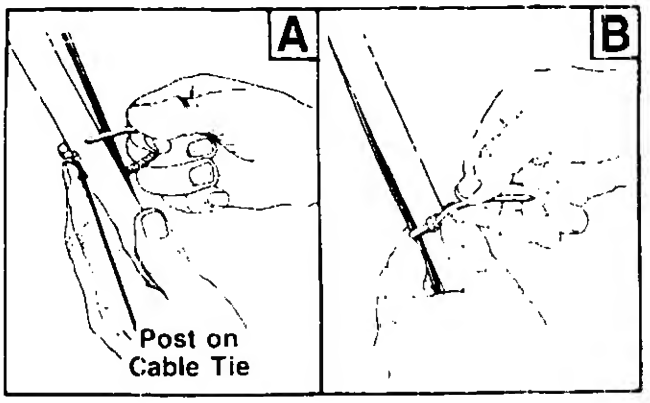


FIGURE 8.

SECURING THE CABLES (Hardware D)

Secure all control cables to the handles as follows.

A. Insert posts on cable ties into holes provided on the handles. The holes may be on either the inside or outside of the handles. Two go on each leg of the lower handle (one near the top and one near the bottom), and one goes on the left side of upper handle. See figure 8A.

B. Secure the cables with the cable ties, making certain the cable is routed to the outside or under the lower handle where the upper and lower handles join. **Do not overtighten.** Cable must slide freely within the cable ties. See figure 8B.

C. Trim excess ends of cable ties.

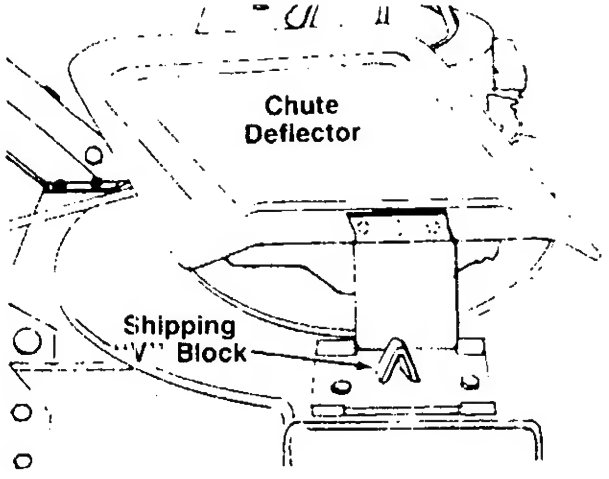


FIGURE 9.

FINAL ASSEMBLY OF MOWER (Hardware F)

1. If plastic plug is needed and is not already assembled, insert plastic plug into hole in the top rear of the deck by slipping one end of plug into hole, then pressing down on the other end of plug. Use a soft hammer if necessary.

2. The chute deflector on your mower is held in an upright position by a "V" block for shipping purposes only. This "V" block must be removed and discarded before the mower is put into operation. See figure 9.

   To remove the "V" block, pull the spring-loaded chute toward the engine. Remove the "V" block and carefully lower the chute into operating position, keeping fingers out of the way.

3. Check all nuts and bolts for correct tightness.

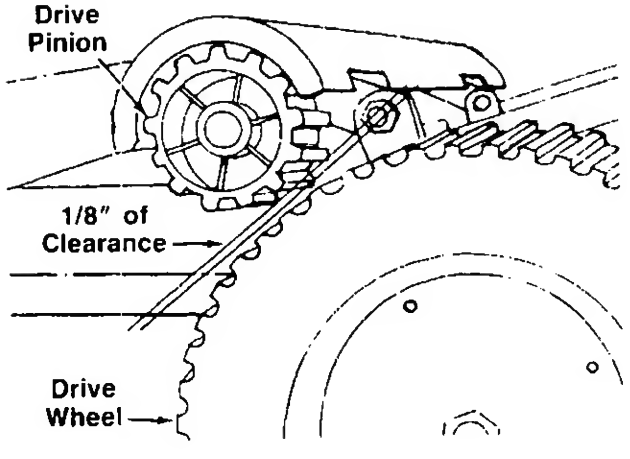


FIGURE 10.

CHECKING THE DRIVE CLUTCH ADJUSTMENT

Check the adjustment of the clutch cable. Correct adjustment is as follows.

The drive pinions should be approximately 1/8" from the drive wheels when the clutch is disengaged (clutch control handle is **not** squeezed against upper handle). See figure 10

When the clutch control is engaged the drive pinions should mesh with the gear tread tires.

If adjustment is needed, refer to adjustment section of this manual.

CONTROLS

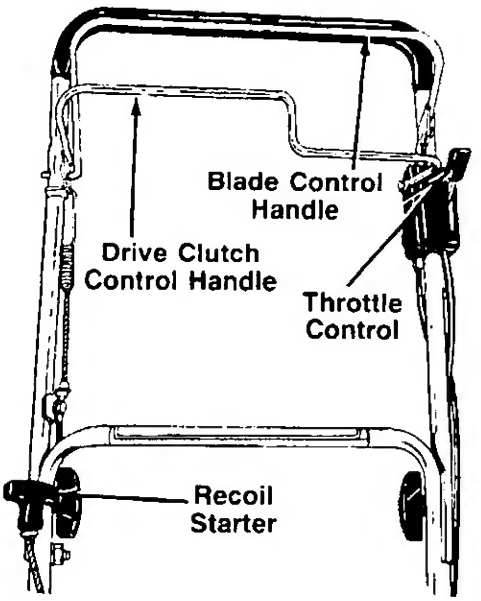


FIGURE 11.

BLADE CONTROL HANDLE

WARNING
THIS CONTROL MECHANISM IS A SAFETY DEVICE. NEVER ATTEMPT TO BYPASS ITS OPERATIONS

The blade control handle is located on the upper handle of the mower. See figure 11. The blade control handle must be depressed in order to operate the unit. Release the blade control handle to stop the engine and blade.

WARNING

The blade will be rotating whenever the engine is running.

RECOIL STARTER

The recoil starter handle is attached to the handle. See figure 11. Stand behind the unit in the operating position to start the unit.

THROTTLE CONTROL

The throttle control is located on the left side of the upper handle. It is used to regulate the engine speed. The engine should be started with the engine in the FAST or START position.

WARNING

The throttle control cannot be used to stop the engine.

DRIVE CLUTCH CONTROL

Squeezing the drive clutch control handle engages the drive mechanism to the rear wheels. Releasing the clutch control stops the rear wheels from driving. Release the drive clutch control to slow down when negotiating an obstacle, making a turn or stopping. See figure 11.

OPERATION

FIGURE 12.

Keep hands and feet away from the chute area on cutting deck. See figure 12.

NOTE

For shipping purposes your mower is set with the wheels in a low cutting height position. For best results raise the cutting position until it is determined which height is best for your lawn. See cutting height adjustment section.

BEFORE STARTING

1. Service engine with oil and gasoline as instructed in the separate engine section of this manual. Read the instructions carefully.
2. Attach spark plug wire to spark plug.
3. Before each use, check drive clutch adjustment. When the clutch handle is engaged, the black nylon drive pinions should mesh simultaneously with the gear tread tires. When the clutch handle is released, the pinions should clear the wheels by approximately 1/8". See drive clutch adjustment on page 12 for further details.

WARNING

When starting the unit for the first time, face the mower against a solid object such as a wall, fence, etc. Start the unit, and if it shows any signs of motion with the drive clutch control disengaged, shut the engine off immediately. Refer to page 12 for further instructions on the drive clutch adjustment.

TO START ENGINE AND ENGAGE BLADE

1. Move the throttle control lever to FAST or START position.
2. Standing behind the unit, depress the blade control handle and hold it against the upper handle.
3. Grasp the recoil starter handle and pull back rapidly, extending rope fully. Return it slowly to the rope guide bolt.
4. After engine starts, move throttle control lever to desired engine speed.

TO STOP ENGINE AND BLADE

1. Release the blade control handle to stop the engine and blade.

WARNING

The blade continues to rotate for a few seconds after the engine is shut off.

2. Disconnect the spark plug wire and ground it against the engine to prevent accidental starting while equipment is unattended.

NOTE

If any problems are encountered, refer to the Trouble Shooting Chart on page 19.

USING YOUR ROTARY MOWER

Be sure that lawn is clear of stones, sticks, wire, or other objects which could damage lawn mower or engine. Such objects could be accidently thrown by the mower in any direction and cause serious personal injury to the operator and others.

For best results, do not cut wet grass because it tends to stick to the underside of the mower, preventing proper discharge of grass clippings, and could cause you to slip and fall. New grass, thick grass or wet grass may require a narrower cut. Blade speed should be adjusted to the condition of the lawn.

The best mowing pattern is one that allows the clippings to discharge towards the uncut part of the lawn. This permits recutting of the clippings to further pulverize them. When cutting high weeds, discharge towards cut portion, then recut at right angles to first direction.

For best results, cut off one-third or less of the total length of the grass. Lawn should be cut in the fall as long as there is growth.

This mower is designed to be operated at full throttle to give you the best cut.

IMPORTANT

If you strike a foreign object, stop the engine. Remove wire from spark plug, thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower. Extensive vibration of the mower during operation is an indication of damage. The unit should be promptly inspected and repaired.

ADJUSTMENTS

WARNING

Do not at any time make any adjustment to lawn mower without first stopping engine and disconnecting spark plug wire.

CUTTING HEIGHT ADJUSTMENT

Adjustment may be made by removing and moving axle bolts to desired position. Cutting heights will be raised as axle bolts are moved to a lower hole and lowered as axle bolts are moved to a higher hole in the brackets. All axle bolts must be mounted in the same relative position.

For rough or uneven lawns, move the wheels to a position which will give a higher cutting height.

THROTTLE

The throttle control wire assembly can be adjusted if necessary. Loosen the screw on the cable clamp closest to the control lever on engine. Adjust as instructed in step 5 of "Attaching the Throttle Control Cable" in Assembly Instructions.

DRIVE CLUTCH ADJUSTMENT

The drive pinions should be approximately 1/8" from the drive wheels when the clutch is disengaged (clutch handle is released). Refer to figure 10.

If there is not 1/8" of clearance, unhook the cable from the clutch handle and move it to the next higher adjustment hole provided. Refer to figure 7. Check to be certain there is 1/8" of clearance when the clutch is disengaged, and the drive pinions mesh with the wheels with the drive clutch engaged.

CHAIN ADJUSTMENT

Check for correct chain adjustment and alignment after first five to ten hours of operation. Adjust as follows:

1. Loosen (do not remove) the hex bolt on each side of the pinion pivot plate. See figure 13.

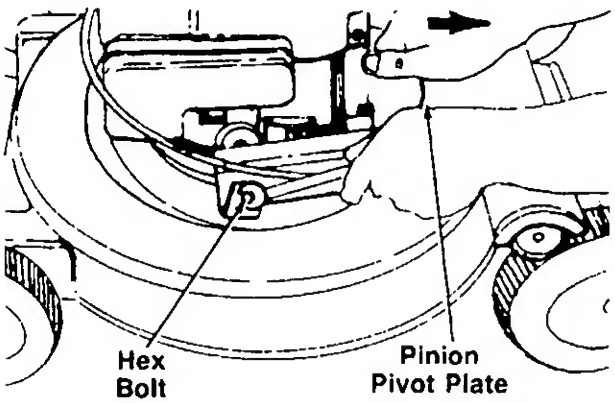


FIGURE 13.

2. Pull back on the left side of the pivot plate, by hand, until the proper chain tension is achieved. Tighten the hex bolt.
3. Pull back on the right side of the pivot plate until the clearance between the pinion and wheel is equal on both sides. Tighten the hex bolt.
4. Recheck for correct adjustment periodically.

CARBURETOR ADJUSTMENTS

WARNING

If any adjustments are made to the engine while the engine is running (e.g. carburetor), keep clear of all moving parts. Be careful of heated surfaces and muffler.

Minor carburetor adjustment may be required to compensate for differences in fuel, temperature, altitude and load.

Refer to the separate engine section of this manual for carburetor adjustment information.

LUBRICATION

WARNING

Always stop engine and disconnect spark plug wire before cleaning, lubricating or doing any kind of work on lawn mower.

Blade Control—Lubricate the pivot points on the blade control handle and the brake cable at least once a season with light oil. The blade control must operate freely in both directions.

Chute Deflector—The torsion spring and pivot point should be lubricated periodically with light oil to prevent any rust or binding. Deflector must work freely.

Wheels—The wheels require no lubrication. However, if the wheels are removed for any reason, lubricate the surface of the axle bolt and the inner surface of the wheel with light oil. A 4 oz. plastic bottle of light oil lubricant is available. Order part number 737-0170. Engine oil may also be used.

Engine—Follow engine section of this manual for lubrication instructions.

Throttle—Periodically lubricate throttle control lever and throttle wire assembly with a few drops of light oil for ease of operation.

Chain—The chain should be lubricated periodically with a few drops of light oil to prevent any rust or binding. Use very little or no oil if unit is being used in a dusty or sandy area.

MAINTENANCE

NOTE

When tipping the unit, empty the fuel tank and keep engine spark plug side up.

CUTTING BLADE

A. Removal for Sharpening or Replacement

WARNING

Be sure to disconnect and ground the spark plug wire before working on the cutting blade to prevent accidental engine starting. Protect hands by using heavy gloves or a rag to grasp the cutting blade.

Remove the large bolt and lock washer which holds the blade and adapter to the engine crankshaft. Remove the blade and adapter from the crankshaft.

If the blade or blade adapter needs replacing, remove the two small bolts, lock washers and nuts which hold the blade to the adapter.

CAUTION

Periodically inspect the blade adapter for cracks, especially if you strike a foreign object. Replace when necessary.

B. Sharpening

Remove the cutting blade by following the directions of the preceding section.

When sharpening the blade, follow the original angle of grind as a guide. It is **extremely important** that each cutting edge receives an equal amount of grinding to prevent an unbalanced blade. An unbalanced blade will cause excessive vibration when rotating at high speeds, may cause damage to the mower and could break, causing personal injury.

It is recommended that the blade always be removed from the adapter for the best test of balance. The blade can be tested by balancing it on a round shaft screwdriver. Remove metal from the heavy side until it balances evenly.

C. Reassembly

Before reassembling the blade and the blade adapter to the unit, lubricate the engine crankshaft and the inner surface of the blade adapter with light oil. Lubricating the bolt holes, bolts and inner surface of the nuts with light oil is also recommended. A 4 oz. plastic bottle of light oil lubricant is available. Order part number 737-0170. Engine oil may also be used.

When replacing the blade, be sure to install the blade with the side of the blade marked "Bottom" (or with part number) facing the ground when the mower is in the operating position.

Blade Mounting Torque

3/8" Dia. Bolt 375 in. lb. min., 450 in. lb. max.
5/16" Dia. Bolt 150 in. lb. min., 250 in. lb. max.

To insure safe operation of your unit, all nuts and bolts must be checked periodically for correct tightness

DECK

The underside of mower deck should be cleaned after each period of use as grass clippings, leaves, dirt and other matter will accumulate. This accumulation of grass clippings, etc., is undesirable as it will invite rust and corrosion and may cause an uneven discharge of grass clippings at the next cutting.

The deck may be cleaned by tilting the mower forward or on its side and scraping clean with a suitable tool or by washing with a stream of water from a garden hose.

NOTE

Do not direct the stream of water at a hot engine as damage to the engine may result.

ENGINE

Refer to the separate engine section of this manual for engine maintenance instructions.

OFF-SEASON STORAGE

The following steps should be taken to prepare lawn mower for storage.

1. Clean and lubricate mower thoroughly as described in the lubrication instructions.
2. Refer to engine section of this manual for correct engine storage instructions.
3. Coat mower's cutting blade with chassis grease to prevent rusting.
4. Store mower in a dry, clean area.

NOTE

When storing any type of power equipment in an unventilated or metal storage shed, care should be taken to rustproof the equipment. Using a light oil or silicone, coat the equipment, especially cable and all moving parts.

HANDLE STORAGE

The upper part of the handle may be folded down for storage.

1. Loosen the hand knobs on each side of the handle.
2. Make certain that the control cables are below and to the outside of the lower handle in the area of the hand knobs. Fold the upper handle back and down, making certain not to bend or kink the cables

Reverse the above procedure to place the handle in the operating position.

The handle may also be folded away completely for storage.

1. Remove hairpin clips from inner hole on welc pins on handle mounting brackets.
2. Loosen the hand knobs on each side of the handle.

3. Make certain that the control cables are below and to the outside of the lower handle in the area of the hand knobs. Fold the upper handle back and down, making certain **not** to bend or kink cables severely.
4. Remove the handle from the handle mount brackets, and carefully lay it on top of the mower.

CAUTION

Be extremely careful not to create any severe bends or kinks in the cables which could render the controls inoperative.

Reverse the above procedure to place the handle in the operating position.

NOTE

If the starter rope becomes disconnected from the rope guide bolt, disconnect and ground the spark plug wire. Depress the blade control handle, and pull the starter rope out from the engine. Slip the starter rope into the rope guide bolt.

ENGINE OPERATING AND MAINTENANCE INSTRUCTIONS

FOR ENGINE MODEL 92582-3107-02

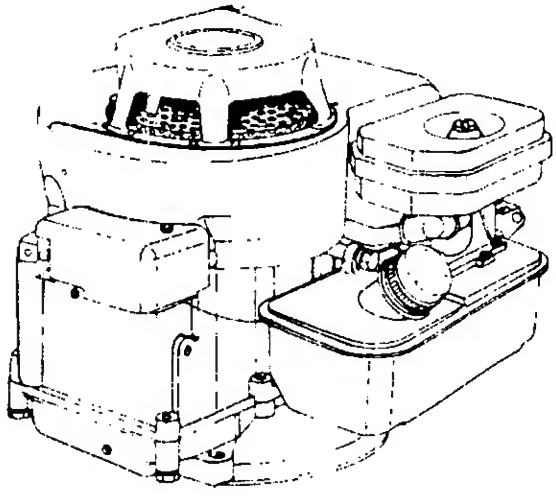
IMPORTANT

Do not start the engine before reading the following section of this manual.

WARNING

Do not operate engine in an enclosed area. Exhaust gases contain carbon monoxide, an odorless and deadly poison.

Always disconnect spark plug wire from spark plug before removing mower blade, when cleaning mower deck or sharpening blade.



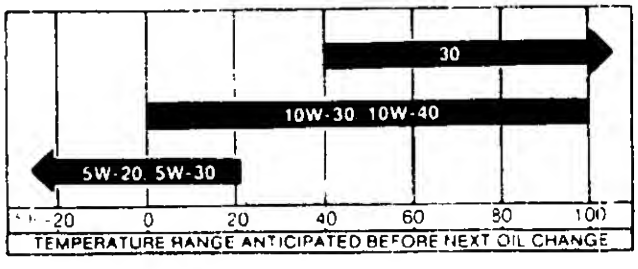
SECTION 1
BEFORE STARTING

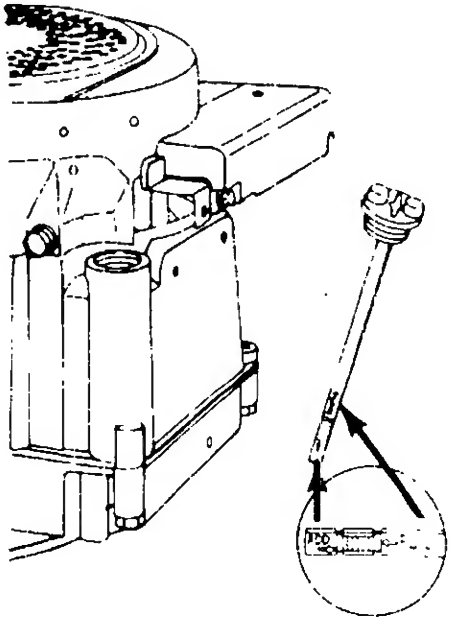
Fill Sump With Oil—Use a high quality detergent oil classified "For Service SF, SE, SD or SC." Nothing should be added to the recommended oil.

Place engine level. Clean area around oil fill before removing oil dipstick.

Remove oil dipstick. Remove oil from dipstick with a clean cloth. Screw dipstick firmly in place until it bottoms. Remove dipstick to check oil level. Fill to **full** mark on dipstick. **Pour slowly.** Capacity approximately 1-¼ pints. **Do not overfill.** Dipstick must be securely assembled into tube at all times when engine is running.

Recommended SAE Viscosity Grades





Fill Fuel Tank—The engine will operate satisfactorily on any gasoline intended for automotive use. DO NOT MIX OIL WITH GASOLINE.

The use of clean, fresh, **lead-free** gasoline is recommended. Leaded gasoline may be used if lead-free is not available. A minimum of 77 octane is recommended. The use of lead-free gasoline results in fewer combustion deposits and longer valve life.

Do not fill fuel tank to point of overflowing. Allow tank space for fuel expansion.

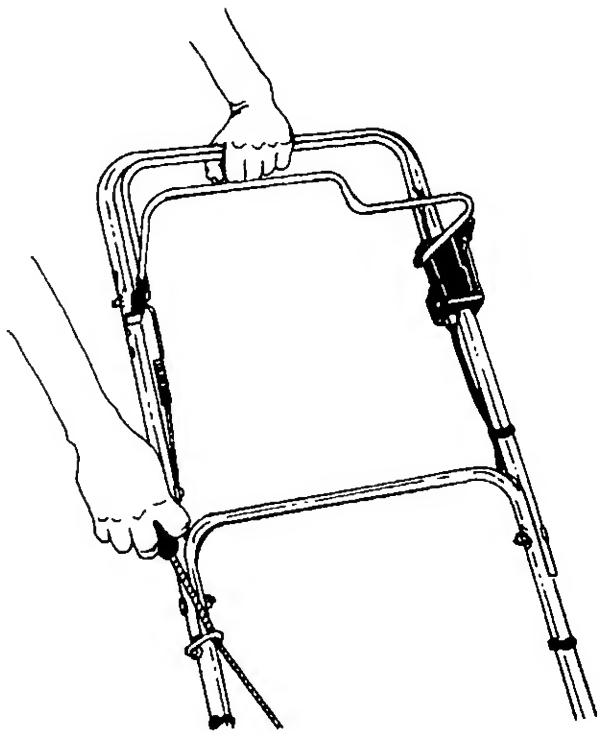
SECTION 2
STARTING

Start, store and fuel engine in a level position.

WARNING: ALWAYS KEEP HANDS AND FEET CLEAR OF MOWER BLADE OR OTHER ROTATING PARTS.

To Start Engine and Blade

1. Move throttle control lever to FAST or START position.
2. Standing behind the unit, depress the blade control handle and hold it against the upper handle as shown.
3. Grasp the recoil starter handle as shown and pull back rapidly, extending rope fully. Return it slowly to the rope guide bolt.
4. After engine starts, move throttle control lever to desired engine speed.



Starting Tips

1. Restart a warm engine with throttle control lever in SLOW position.
2. Start engine with mower on sidewalk or driveway where the cutting blade is out of the grass in an unloaded condition.

   If starts must be made on the lawn, move mower over previously cut grass.
3. Keep the underside of the mower deck clean. Periodically remove any built up grass which might add resistance to the cutting blade.

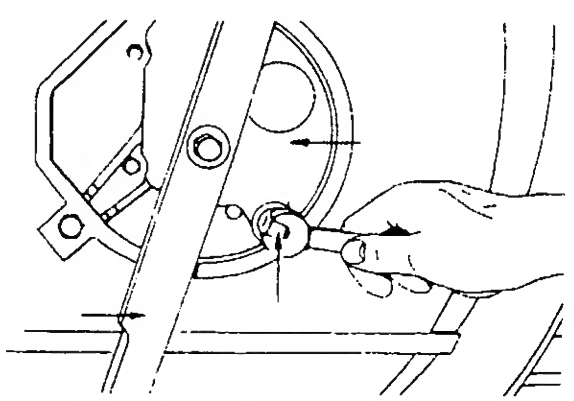
To Stop Engine—Move throttle control lever to SLOW position. Release the blade control handle to stop the engine and blade. Disconnect spark plug wire from the spark plug and ground against the engine to prevent accidental starting.

SECTION 3
REGULAR MAINTENANCE

WARNING: TO PREVENT ACCIDENTAL STARTING when performing any maintenance or repairs, always disconnect spark plug wire from spark plug and ground against the engine.

Check Oil Level after each five hours of operation. BE SURE PROPER OIL LEVEL IS MAINTAINED.

Change Oil after first five hours of operation. Thereafter change engine oil every 50 hours, under normal operating conditions. Change engine oil every 25 hours of operation if the engine is operated under heavy load, or in high ambient temperatures. Change oil while engine is warm. Oil may be drained through oil drain on bottom of engine as shown or through oil fill.

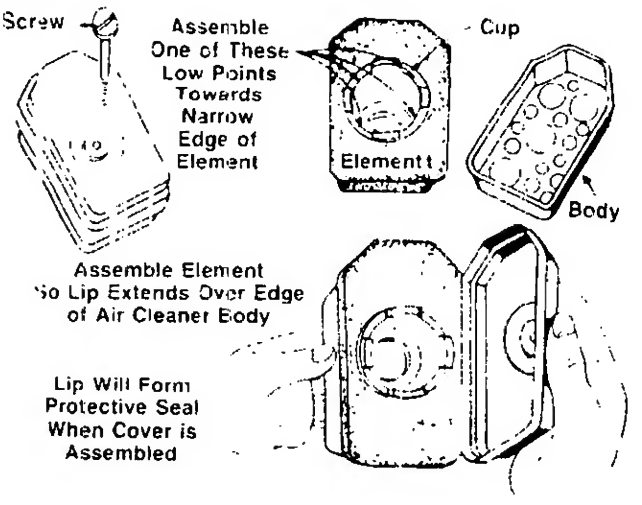


Caution: When tipping to service engine or equipment, empty fuel tank and keep engine spark plug or muffler side up.

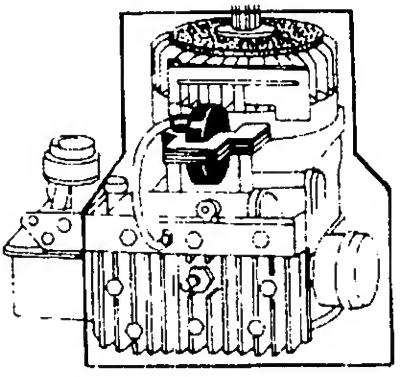
Service Air Cleaner—Clean and re-oil foam element at three month intervals or every 25 hours, whichever occurs first.

NOTE: Service more often under dusty conditions

1. Remove screw.
2. Remove air cleaner carefully to prevent dirt from entering carburetor.
3. Take air cleaner apart and clean.
   a. Wash foam element in kerosene or liquid detergent and water to remove dirt.
   b. Wrap foam in cloth and squeeze dry.
   c. Saturate foam with engine oil. Squeeze to remove excess oil.
4. Reassemble parts and fasten to carburetor



Remove Combustion Deposits every 100-300 hours of operation. Remove cylinder head and cylinder head shield. Scrape and wire brush the combustion deposits from cylinder, cylinder head, top of piston and around valves. Use a soft brush to remove deposits. Reassemble gasket, cylinder head and cylinder head shield. Turn screws down finger tight, with the three longer screws around the exhaust valve, if so equipped. Torque cylinder head screws in a staggered sequence to 140 inch pounds (15.82 Nm).



Clean Engine—Remove dirt and debris with a cloth and brush. Cleaning with a forceful spray of water is not recommended as water could contaminate the fuel system.

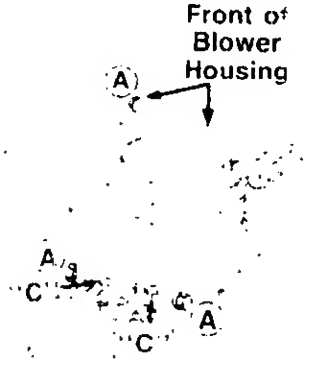
Clean Cooling System

Grass, chaff or dirt may clog the rotating screen and the air cooling system, especially after prolonged service cutting dry grasses. Yearly or every 100 hours, whichever occurs first, remove the blower housing and clean the area shown to avoid overspeeding, overheating and engine damage. Clean more often if necessary.

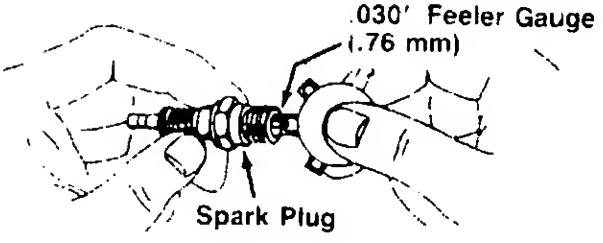
TO REMOVE THE BLOWER HOUSING

To remove the blower housing, remove three screws labeled "A". Lift housing to remove

NOTE: Do not loosen control bracket screws "C"



WARNING: Periodically clean muffler area to remove all grass, dirt and combustible debris.



Spark Plug—Clean and reset gap at .030" every 100 hours of operation.

NOTE: Do not blast clean spark plug. Spark plug should be cleaned by scraping or wire brushing and washing with a commercial solvent.

Caution: Sparking can occur if wire terminal does not fit firmly on spark plug, or if stop switch vibrates against spark plug. Reform terminal or repair switch if necessary.

Spark Arrester Equipped Muffler—If engine muffler is equipped with spark arrester screen assembly, remove every 50 hours for cleaning and inspection. Replace if damaged

SECTION 4
ADJUSTMENTS

CARBURETOR ADJUSTMENT

WARNING: If any adjustments are made to the engine while the engine is running (e.g. carburetor), keep clear of all moving parts. Be careful of heated surfaces and muffler.

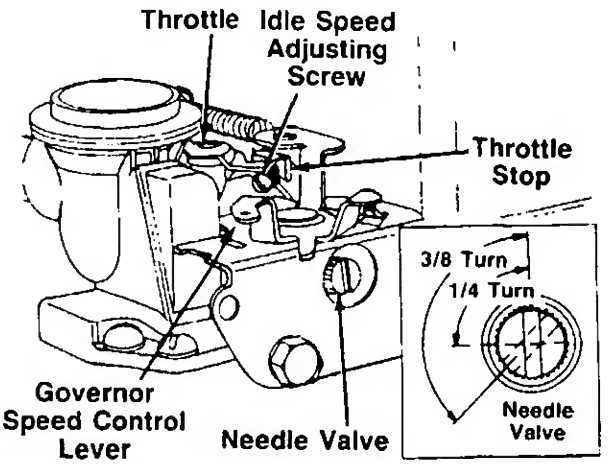
Minor carburetor adjustment may be required to compensate for differences in fuel, temperature, altitude or load.

NOTE: The air cleaner must be assembled to carburetor when running engine. The best carburetor adjustment is obtained with fuel tank approximately 1/4 full.

To Adjust Carburetor—Gently turn idle mixture valve clockwise until it just closes. Valve may be damaged by turning it in too far.

Next, open the valve 1½ turns counterclockwise. This initial adjustment will permit the engine to be started and warmed up (approximately 5 minutes) prior to final adjustment.

Final Adjustment—Place throttle control lever in FAST position. Turn needle valve in (clockwise) until engine just starts to slow. Now open needle valve 3/8 turn



(counterclockwise, see inset). Then rotate throttle counterclockwise and hold against throttle stop while adjusting idle RPM by turning idle speed adjusting screw to obtain 1750 RPM. Release throttle—engine should accelerate smoothly. If engine does not accelerate properly, the carburetor should be readjusted, usually to a slightly richer mixture by turning needle valve counterclockwise 1/8 turn more.

SECTION 5
GENERAL INFORMATION

ENGINE DESIGN

This engine is a single-cylinder L-head, air-cooled type.

MODEL SERIES 92582

Bore	2-9/16" (65.09 mm)
Stroke	1-¾" (44.45 mm)
Displacement	9.02 cu. in. (147.8 cc)
Horsepower Max.	3.0 @ 3600 RPM
Torque (Ft.-Lbs.) Max.	4.77 @ 2900 RPM

TUNE-UP SPECIFICATIONS

Spark Plug Type	Champion	Autolite
Short Plug	CJ-8	235
Long Plug	J-8C	295
Resistor Short Plug	RCJ-8	245
Resistor Long Plug	RJ-8C	306

Spark Plug Gap	.030"
Intake Valve Clearance	.004"-.006"
Exhaust Valve Clearance	.007"-.009"

The horsepower ratings listed are established in accordance with the Society of Automotive Engineers Test Code-J607. For practical operation, the horsepower loading should not exceed 85% of these ratings. Engine power will decrease 3½% for each 1,000 feet above sea level and 1% for each 10° above 60° F.

In some areas, local law requires the use of a resistor spark plug so as to suppress ignition signals. If an engine was originally equipped with a resistor spark plug, be sure to use the same type of spark plug for replacement.

Major engine repairs should not be attempted unless you have the proper tools and a thorough knowledge of internal combustion engines.

STORAGE INSTRUCTIONS

Engines to be stored over 30 days should be completely drained of fuel to prevent gum deposits forming on essential carburetor parts, fuel filter and tank.

NOTE: The use of a fuel additive, such as STABIL, or an equivalent, will minimize the formation of fuel gum deposits during storage. Such an additive may be added to the gasoline in the fuel tank of the engine, or to the gasoline in a storage container.

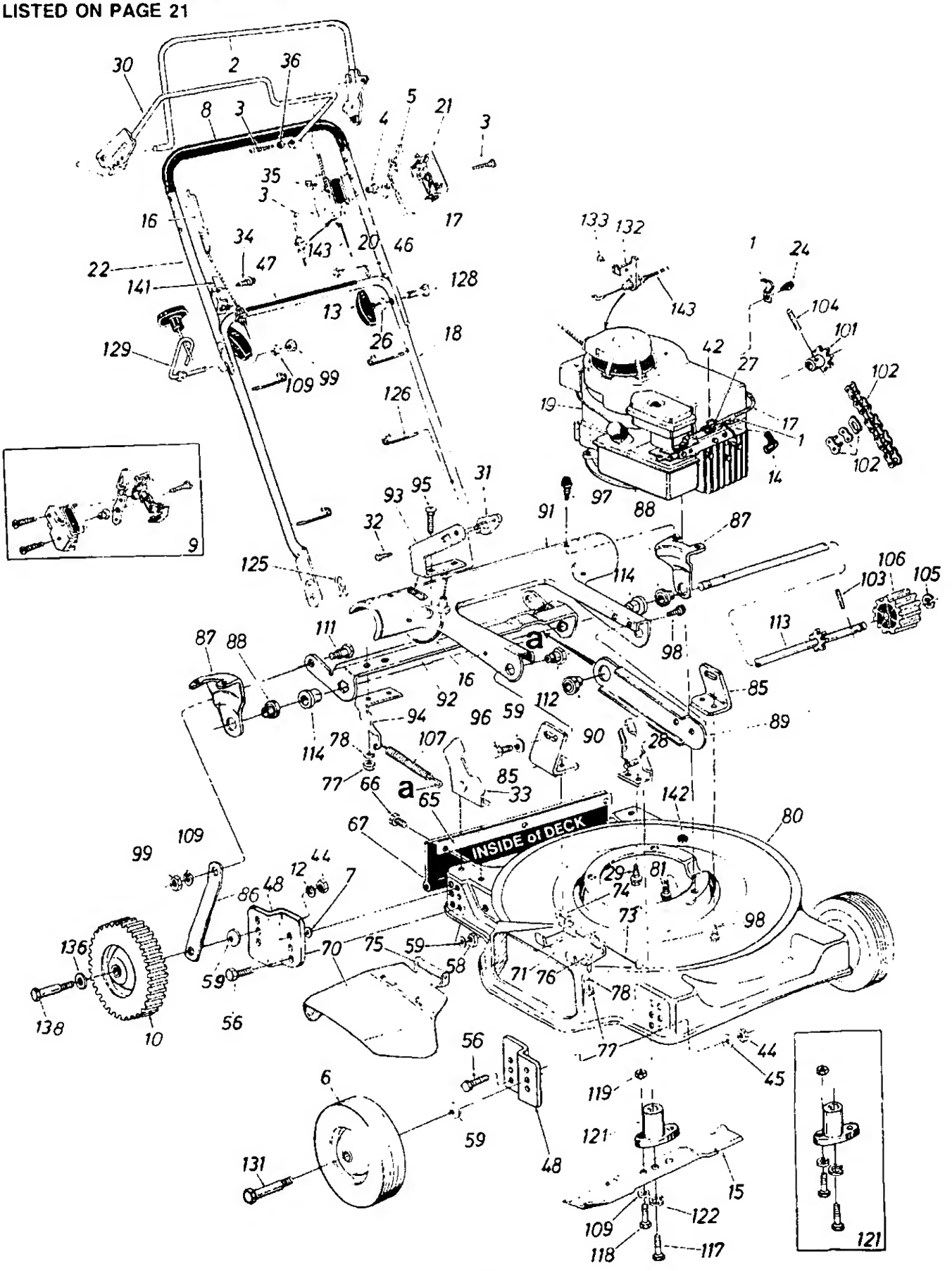
a. All fuel should be removed from the tank. Run the engine until it stops from lack of fuel.
b. While engine is still warm, drain oil from crankcase. Refill with fresh oil.
c. Remove spark plug. Pour approximately ½ ounce (15 cc) of engine oil into cylinder, and crank slowly to distribute oil. Replace spark plug.
d. Clean dirt and chaff from cylinder, cylinder head fins, blower housing, rotating screen and muffler areas.
e. Store in a clean, dry area.

Trouble Shooting Chart

Problem	Cause	Remedy
1 Engine fails to start	A Blade control handle disengaged	A Engage blade control handle.
	B Check fuel tank for gas	B Fill tank if empty.
	C Spark plug lead wire disconnected.	C Connect lead wire.
	D Throttle control lever not in the starting position	D Move throttle lever to choke position.
	E Faulty spark plug	E Clean, adjust gap or replace.
	F Carburetor improperly adjusted, engine flooded	F Remove spark plug, dry the plug, crank engine with plug removed, and throttle in off position. Replace spark plug and lead wire and resume starting procedures.
	G Old stale gasoline	G Drain and refill with fresh gasoline.
	H Engine brake engaged	H Follow starting procedure
2 Hard starting or loss of power	A Spark plug wire loose	A Connect and tighten spark plug wire.
	B Carburetor improperly adjusted	B Adjust carburetor. See engine section.
	C Dirty air cleaner	C Clean air cleaner as described in engine section.
3 Operation erratic	A Dirt in gas tank	A Remove the dirt and fill tank with fresh gas
	B Dirty air cleaner	B Clean air cleaner as described in engine section.
	C Water in fuel supply	C Drain contaminated fuel and fill tank with fresh gas.
	D Vent in gas cap plugged	D Clear vent or replace gas cap.
	E Carburetor improperly adjusted	E Adjust carburetor. See engine section
4 Occasional skip (hesitates) at high speed	A Carburetor idle speed too slow	A Adjust carburetor. See engine section
	B Spark plug gap too close	B Adjust to .030".
	C Carburetor idle mixture adjustment improperly set	C Adjust carburetor. See engine section
5 Idles poorly	A Spark plug fouled, faulty, or gap too wide	A Reset gap to .030" or replace spark plug.
	B Carburetor improperly adjusted	B Adjust carburetor. See engine section
	C Dirty air cleaner	C Clean air cleaner as described in engine section.
6 Engine overheats	A Carburetor not adjusted properly	A Adjust carburetor. See engine section
	B Air flow restricted	B Remove blower housing and clean as described in engine section.
	C Engine oil level low	C Fill crankcase with the proper oil.
7 Excessive vibration	A Cutting blade loose or unbalanced	A Tighten blade and adapter. Balance blade.
	B Bent cutting blade	B Replace blade.

Note: For repairs beyond the minor adjustments listed above, contact your authorized servicer.

ILLUSTRATED PARTS FOR MODEL
MTD3834A78 ROTARY MOWER,
LISTED ON PAGE 21



PARTS LIST FOR MODEL MTD3834A78 ROTARY MOWER

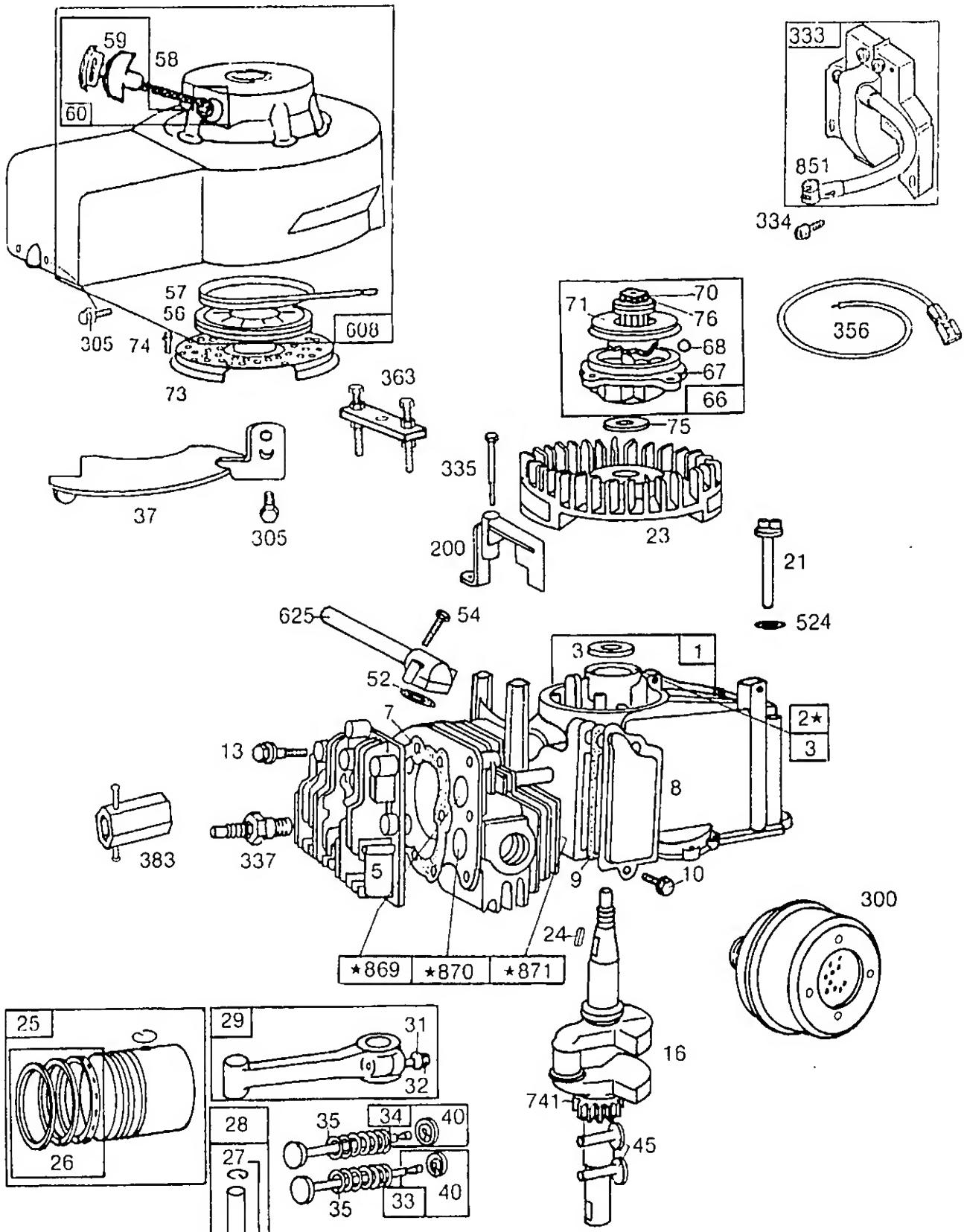
REF. NO.	PART NO.	DESCRIPTION	NEW PART
1	12894	Casing Clamp	
2	14321	Control Handle Ass'y.—L.H.	
3	710-0796	Truss Mach. Hi-B Tap Scr. #12 x 1.5"	
4	731-0524	Control Disc Pin	
5	731-0528	Throttle Control Lever	
6	734-1177	Front Wheel Ass'y. Comp.	
7	736-0117	Fl-Wash. .38" I.D. x .620" O.D.	
8	718-0145	Grip	
9	753-0430	Control Housing Comp.	N
10	734-1174	Rear Wheel Ass'y. Comp.	
12	736-0169	L-Wash. 3/8" I.D.*	
13	09966	Hand Knob	
14	735-0639	Spark Plug Insulator	
15	742-0125	22" Blade	
16	746-0625	Clutch Cable w/Spring—32"	
17	746-0632	Throttle Wire—53"	
18	749-0373	Lower Handle	
19	3 H.P.	Engine—B&S 92582-3107-02	
20	731-0816	Clutch Panel Half	
21	731-0817	Control Panel Half	
22	749-0536	Upper Handle	
23	710-0227	Hex AB-Tap Scr. #8 x .50"	
24	710-0429	Hex B-Tap Scr. #10 x .38"	
26	736-0242	Bell-Wash. 5/16" I.D.	
27	710-0429	Hex "B"-Tap Scr. #10 x .38"	
28	12935	Handle Brkt. Ass'y—L.H.	
29	710-0603	Hex B-Tap Scr. 5/16-18 x .5	
30	16391	S.P. Bail Ass'y.	
31	746-0606	Barrel Cable Hold-Down R.H.	
32	710-0429	B-Tap Scr. #10 x .38 Lg.	
33	12936	Handle Brkt. Ass'y—R.H.	
34	710-0726	Hex Wash. AB-Tap Scr. 5/16 x .75"	
35	736-0370	Spr-Wash. .206 I.D. x .443	
36	750-0649	Spacer .23 I.D. x .30 O.D.	
42	751-0369	Casing Clamp	
44	712-0798	Hex Nut 3/8-16 Thd.*	
45	736-0356	Bell-Wash. .39 I.D. x 1.38 O.D.	
46	777-5774	Control Label	
47	777-5776	Instruction Label	
48	14761	Wheel Brkt.	
56	710-0216	Hex Bolt 3/8-16 x .75	
57	712-0158	Hex Cent. L-Nut 5/16-18 Thd.	
58	712-0798	Hex Nut 3/8-16 Thd.*	
59	736-0105	Bell-Wash. .40 I.D. x .88 O.D.	
61	750-0503	Spacer .383 I.D. x .503 O.D.	
65	14846	Retaining Strip	
66	710-0776	Hex AB-Tap Scr. 1/4 x .62	
67	731-0575	Rear Flap Ass'y.	
70	14944	Chute Deflector Ass'y.	
71	11130	Adapter Plate	
73	711-0555	Pivot Pin	
74	726-0106	Push Nut 1/4"	
75	732-0253	Torsion Spring	
76	710-0289	Hex Bolt 1/4-20 x .50 Lg.*	
77	712-0287	Hex Nut 1/4-20 Thd.*	
78	736-0329	L-Wash. 1/4 I.D.*	
80	14999-463	22" Deck Ass'y.	
81	710-0654	Hex TT-Tap Scr. 3/8-16 x 1.0	
85	14759	Pivot Brkt.	
86	14760	Link 4.58	
87	14757	Axle Brkt.	
88	741-0180	Fl. Ball Brg. 1/2" I.D.	
89	14877	Brg. Support	
90	741-0180	Fl. Ball Brg. 1/2" I.D.	
91	16319	Pinion-Pivot Cover	
92	16332	Drive Engagement Cam	
93	16534	Engagement Arm—L.H.	
94	16536	Spring Bracket	
95	710-0134	Carriage Bolt 1/4-20 x .62	
96	710-0168	Hex Bolt 3/8-16 x .50 Lg.*	
97	710-0776	Hex AB-Tap Scr. 1/4 x .62	
98	710-0892	Hex AB-Tap 1/4 x .62"	
99	712-0267	Hex Nut 5/16-18 Thd.*	
101	713-0308	10T Sprocket Ass'y.	
102	713-0311	#48 Chain 1/2" Pitch 50 Links	
	713-0122	Master Link (Service Only)	
103	715-0246	Spring Pin Spir. 3/16 Dia. x 1.25	
104	715-0247	Spring Pin Spir. 3/16 Dia. x 1.0	
105	716-0104	E-Ring For .500 Dia. Shaft	
106	731-0393	Drive Pinion	
107	732-0428	Extension Spring 4.25 Lg.	
109	736-0119	L-Wash. 5/16 I.D.*	
111	738-0155	Shld. Bolt .437 Dia. x .162	
112	738-0529	Shld. Nut .625 Dia. x .165	
113	738-0530	Pinion Shaft w/7T Sprocket	
114	741-0484	Fl. Ball Brg. .501 I.D.	
117	710-0331	Hex Bolt 3/8-24 x 2.25	
118	710-0888	Hex Bolt 5/16-24 x 1.0--Spec.	
119	712-0123	Hex Nut 5/16-24 Thd.	
121	753-0348	Blade Adapter Kit	
122	736-0217	L-Wash. 3/8" I.D.—H.D.	
125	714-0104	Intern. Cot. Pin 5/16 Dia.	
126	726-0240	Cable Tie	N
128	710-0405	Curved Carriage Bolt 5/16-18 x 1.75" Lg.	
129	710-0842	Rope Guide Bolt	
131	738-0213	Front Axle Bolt	
132	14924	Cable Bracket	
133	728-0171	Pop Rivet .156" Dia. x .379	
136	736-0192	Fl-Wash. .53" I.D. x .93 O.D.	
138	738-0533	Rear Axle Bolt	
141	16309	Cable Brkt.	
142	731-0564	Plastic Plug	
143	746-0476	Control Cable—39" (Green)	

*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

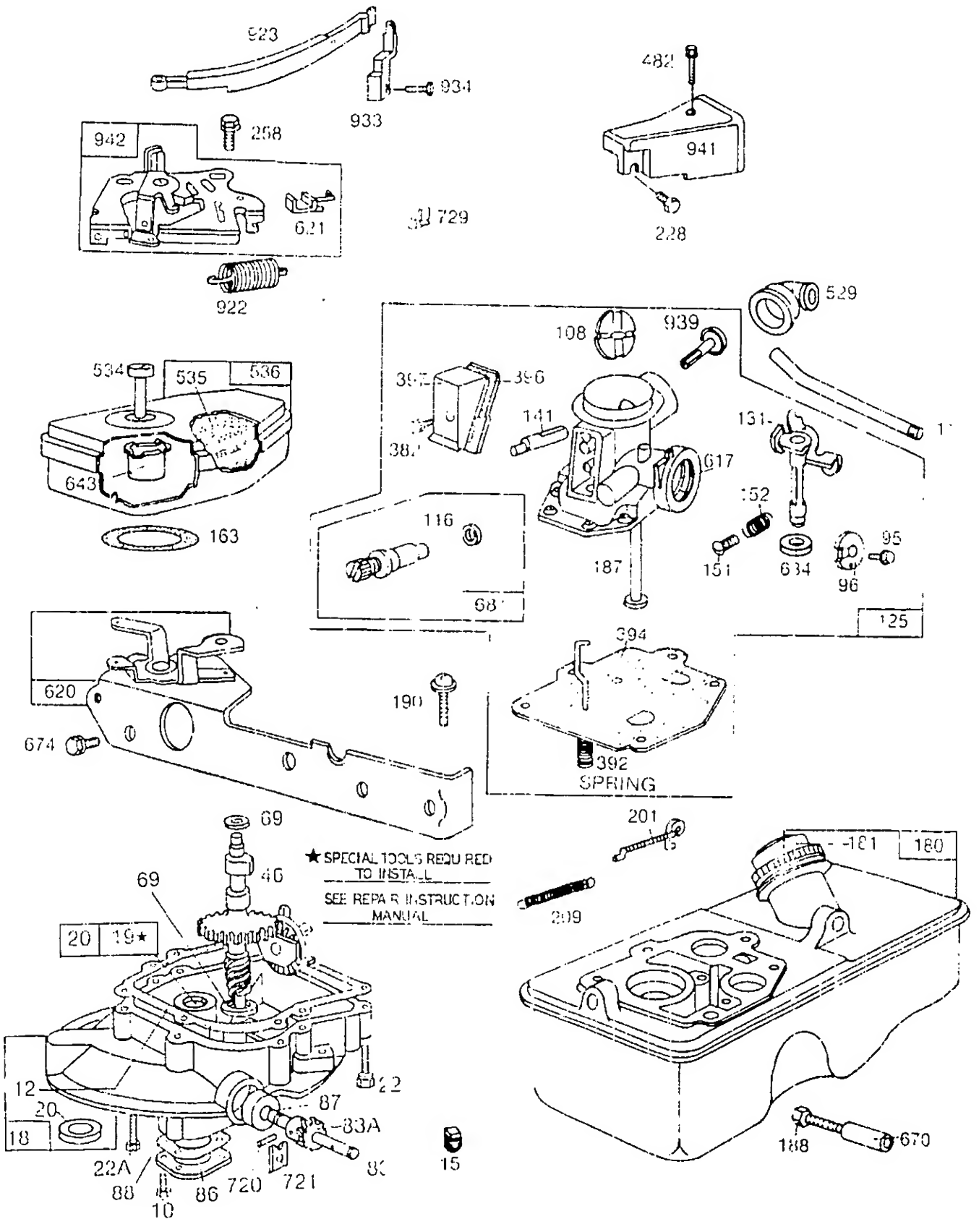
NOTE

Specifications subject to change without notice or obligation.

ILLUSTRATED PARTS FOR 92582-3107-02 ENGINE
FOR MODEL MTD3834A78 ROTARY MOWER
LISTED ON PAGES 24 AND 25



ILLUSTRATED PARTS FOR 92582-3107-02 ENGINE
FOR MODEL MTD3834A78 ROTARY MOWER
LISTED ON PAGES 24 AND 25



PARTS LIST FOR 92582-3107-02 ENGINE
FOR MODEL MTD3834A78 ROTARY MOWER

REF. NO.	PART NO.	DESCRIPTION
1	399164	Cylinder Assembly
2	393708	Bushing—Cylinder
		Note: Requires special tools for installation.
3	299819	Seal—Oil
5	211479	Head—Cylinder
7	*270341	Gasket-Cylinder Head
8	298383	Breather—Valve Chamber
9	*270239	Gasket—Valve Cover
10	93394	Screw—Breather
11	231272	Tube—Breather
12	*270833	Gasket—Crankcase—.015" Thick (Standard)
	*270895	Gasket—Crankcase—.005" Thick
	*270896	Gasket—Crankcase—.009" Thick
13	93111	Screw—Cylinder Head (1-15/16" Long)
15	91084	Plug—Oil Drain (Square Head)
		Note: To Replace Crankshaft Gear Pin Order Part No. 230978.
16	397049	Crankshaft
18	395390	Sump—Oil
19	293709	Bushing—Oil Sump
		Note: Requires special tool for installation.
20	391483	Seal—Oil
21	280485	Plug—Oil Filler
22	93032	Screw—Sump Mtg. Sem
22A	93415	Screw—Sump Mtg. Sem
23	395653	Flywheel—Magneto
24	222698	Key—Flywheel
25	298904	Piston Ass'y.—Standard
	298905	Piston Ass'y.—.010" O.S.
	298906	Piston Ass'y.—.020" O.S.
	298907	Piston Ass'y.—.030" O.S.
PISTON RING SETS		
		Note: For Chrome Piston Ring Set—Standard Size—Order Part No. 299742.
26	298982	Ring Set—Standard Piston
	298983	Ring Set—.010" O.S. Piston
	298984	Ring Set—.020" O.S. Piston
	298985	Ring Set—.030" O.S. Piston
27	26026	Lock—Piston Pin
28	298909	Pin Assembly—Piston—Standard
	298908	Pin Assembly—Piston—.005" O.S.
29	294201	Rod Ass'y.—Connecting
		Note: For Connecting Rod with .020" Undersize Crankpin Bore—Order No. 296079
31	222282	Washer—Connecting Rod Screw (One for Each Screw)
32	92296	Screw—Connecting Rod
33	296676	Valve—Exhaust
34	296677	Valve—Intake
35	260552	Spring—Intake Valve
37	223150	Guard—Flywheel
40	93312	Retainer—Valve Spring
45	230173	Tappet—Valve
46	396197	Cam Gear, Worm and Oil Slinger Ass'y. (Clockwise)
52	*270345	Gasket—Intake Elbow
54	93485	Screw—Intake Elbow Mounting
56	280117	Pulley—Rewind Starter
57	294303	Spring—Rewind Starter
58	280406	Rope—Rewind Starter—81" Long
		Note: If longer rope is needed, order No. 66684 and cut to required length.
59	396892	Grip—Starter Rope
60	393152	Grip—Starter Rope
66	394558	Clutch Ass'y.—Rewind Starter
67	394897	Housing—Starter Clutch
68	63770	Ball—Clutch
69	66938	Washer—Thrust (13/16" O.D. x 17/32" I.D.)
70	298436	Ratchet—Rewind Starter
71	221653	Washer—Clutch Retainer
73	221661	Screen—Starter Pulley
74	93490	Screw—Sem
75	220865	Washer—Spring
76	68238	Washer—Ratchet Sealing
83	230831	Shaft—Drive
83A	231278	Gear—Drive
86	221780	Cover—Sump
87	391484	Seal—Oil
88	*270328	Gasket—Sump Cover
95	93499	Screw—Throttle Valve Mounting Sem
96	211203	Valve—Throttle
108	280370	Valve—Choke
116	280203	O-Ring
125	395375	Carburetor Assembly
131	394588	Shaft and Lever—Throttle
141	68908	Shaft—Choke
151	93524	Screw—Machine, Rd. Hd.—5-40 x ½"
152	260746	Spring—Throttle Adj.
163	271139	Gasket—Air Cleaner Mounting
180	396778	Tank Assembly—Fuel
181	298425	Cap—Fuel Tank
187	393001	Pipe—Fuel
188	93585	Screw—Fuel Tank Mounting
190	93440	Screw—Fuel Tank Mounting Sem
200	68388	Blade—Governor
201	261027	Link—Governor
209	261105	Spring—Governor
228	93758	Screw—Hex Hd.
258	94018	Screw—Sem
300	394569	Muffler—Exhaust (3" Outside Diameter)
305	93559	Screw—Blower Housing Mounting Sem
333	397316	Armature—Magneto

PARTS LIST FOR 92582-3107-02 ENGINE FOR MODEL MTD3834A78 ROTARY MOWER (CONTINUED)

REF. NO.	PART NO.	DESCRIPTION
334	93381	Screw—Armature Mounting Sem
335	93435	Screw—Armature and Governor Blade Mounting Sem
337	298809	Plug—Spark 1½" High—(37-42 mm)
356	398808	Wire—Ground
358	298989	Gasket Set
363	19069	Puller—Flywheel (Optional Accesscry)
382	93864	Screw—Choke Link Cover
383	89838	Wrench—Spark Plug
392	261016	Spring—Diaphragm
394	299637	Diaphragm—Carburetor
396	270571	Gasket—Choke Link Cover
397	211678	Cover—Choke Link
482	93621	Screw—Sem
524	271485	Seal—Filler Tube
529	280368	Grommet—Breather
534	93865	Screw—Air Cleaner
535	270579	Element—Air Cleaner
536	390055	Cleaner Assembly—Air
608	396678	Starter Assy—Rewind (6 o'clock)
617	270344	Seal—Intake Tube
620	299974	Plate—Carburetor Control
621	396847	Switch—Stop
625	298775	Tube—Fuel Intake
634	270167	Washer—Throttle Shaft (Felt)
643	280374	Cup—Air Cleaner
670	94038	Spacer—Fuel Tank
674	94153	Screw—Tank to Bracket
681	393451	Needle Valve Kit
720	93474	Pin—Gear to Shaft
721	221779	Stop—Drive Shaft
729	280470	Clip—Wire
741	261533	Gear—Timing
851	221798	Terminal—Ignition Cable
869	210879	Seat—Intake Valve (Standard)
870	211291	Seat—Exhaust Valve (Standard)
871	231348	Guide—Exhaust Valve Note 63709 Guide—Intake Valve
922	261647	Spring—Band Brake
923	394867	Brake Assembly—Band
933	223187	Pivot—Band Brake
934	94037	Screw—Band Brake Pivot
939	394929	Shaft Assembly—Choke
941	280395	Cover—Linkage
942	397668	Bracket Assembly—Lever

*Included in Gasket Set—Part No. 298939.

HOW AND WHERE TO ORDER REPLACEMENT PARTS

To eliminate error and to speed delivery of replacement parts, always include the following information on your order.

IMPORTANT

To correctly identify the merchandise by model number for which a part is needed, refer to the Model No. Label located at rear of deck.

1. Complete identification of the merchandise for which the part is wanted.
   (a) Name of Item—Rotary Mower
   (b) Model No.—MTD3834A78
   (c) Factory No.—127-280-098
2. Best possible identification of the part itself.
   (a) Part Number—
   (b) Part Name—
   (c) If necessary return the old part as sample.
3. CUSTOMERS may order all replacement parts from any participating Western Auto Store.
4. If it is not possible to order through a Western Auto Store or Associate Store, replacement parts may be ordered directly from the Western Auto National Parts Distribution Center.

Western Auto National Parts Distribution Center
P.O. Box 183
Birmingham, Alabama 35283
(205) 328-1501

FORM NO. 770-6045B

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